

## **LISTING OF THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) Flanged member, intended to be included as a first component in a flanged joint, for installation in a pressure equipment device, ~~and having~~ comprising a first flanged end with a first end surface intended to be assembled together with ~~another a~~ corresponding end surface of a flanged end on another, second flanged member constituting a second component in said flanged joint, ~~characterized in that~~ said first end surface, in an unstressed condition, is slightly concave in ~~the a~~ a radial direction over at least a part of ~~the an~~ an extension ~~thereof~~ of the first end surface in the radial direction.

2. (Currently Amended) Flanged member according to claim 1, ~~characterized in that~~ wherein said first end surface is concave over the entire extension thereof in the radial direction.

3. (Currently Amended) Flanged member according to claim 1, ~~characterized in that~~ wherein said first end surface is concave in the radial direction over at least an area that is ~~foreseen to be the area that essentially~~ will be subjected to deforming forces when the flanged member is assembled together with another flanged member as well as during use.

4. (Currently Amended) Flanged member according to claim 1, ~~characterized in that~~ wherein said first end surface is concave in the radial direction over essentially that area which, during use, ~~is foreseen to constitute~~ constitutes a contact surface against the corresponding end surface of said second flanged member.

5. (Currently Amended) Flanged member according to claim 1, ~~characterized in that~~ wherein said first end surface comprises more than one concave part surface in the radial

~~direction and that said part surfaces may have different radii of curvature.~~

6. (Currently Amended) Flanged member according to ~~any one of the preceding claims, claim 1, and further comprising~~ characterized in that it has an internal, through, axial opening ~~and that~~, said first end surface ~~has~~ having an innermost abutment point against the corresponding end surface of said second flanged member, which abutment point is situated farthest in the radial direction, at said opening, ~~as well as that~~ the concavity of the first end surface ~~extends~~ extending all the way in to said abutment point.

7. (Currently Amended) Flanged member according to ~~any one of claims 1-5, characterized in that~~ claim 1, wherein said first end surface has an innermost abutment point against the corresponding end surface of said second flanged member, which has an internal, through, axial opening, ~~and that~~ said innermost abutment point is being situated farthest in the radial direction, at said opening, ~~as well as that~~ the concavity of the first end surface ~~extends~~ extending all the way in to said abutment point.

8. (Currently Amended) Flanged member according to ~~any one of claims 1-7, characterized in that~~ claim 1, wherein a conceived straight line X that connects the an innermost point a of said first end surface, in the radial direction, with the an outermost point b thereof, in the radial direction, has a length  $L_x$  and ~~that~~ the concavity of the end surface has a maximum depth  $D_k$  in relation to a conceived plane surface produced by said line X, which depth  $D_k$  is of the order of 0,01 %-2 % of  $L_x$ .

9. (Currently Amended) Flanged member according to ~~any one of the preceding claims, characterized in that~~ claim 1, wherein said first end surface is inclined in the radial direction out-wards and away from a conceived opposite end surface.

10. (Currently Amended) Flanged member according to ~~any one of the preceding claims, characterized in that~~ claim 1, wherein at least a part of a transition area, between the surface of the flange directed away from said end surface and a part of the flanged member that is substantially parallel to ~~the~~ a longitudinal axis of the member, is shaped as a substantially elliptical area.

11. (Currently Amended) Joint, comprising two joint halves ~~in the form of~~ formed as two flanged members and included in a pressure equipment device, which members have at least one flanged end each having an end surface, and which members are assembled together via ~~their~~ the end surfaces of said flanged ends, which surfaces are facing each other, ~~characterized in that the end surface of~~ at least one of said flanged members ~~is designed in accordance with any one of claims 1-10~~ being slightly concave in a radial direction over at least a part of an extension thereof in the radial direction when the end surface is in an unstressed condition.

12. (Currently Amended) Joint according to claim 11, ~~characterized in that~~ wherein both of the flanged members ~~are designed in accordance with any one of claims 1-10~~ have a concave end surface.

13. (Currently Amended) Joint according to ~~any one of claims 11-12, characterized in that~~ claim 11, wherein said end surfaces facing each other are inclined in the radial direction outwards so that they, in radial cross-section, form an angle to each other, when they have been brought together but before assembly, which angle is such that ~~the~~ a distance between the two end surfaces increases in the radial direction outwards, ~~and~~ at least one of said inclined end surfaces being slightly concave.

14. (New) Flanged member according to claim 5, wherein said part surfaces have different radii of curvature.